

DRILL HOLES

BORDER REV: DATE: June 1, 2004

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PROJECT DESCRIPTION

I. GENERAL

This project involves the installation of an interconnect system along MD 543 in Harford County. The following intersections shall be interconnected: MD 543 AND SB I-95 ON RAMP, MD 543 AND NB I-95 OFF RAMP, MD 543 AND MD T, MD 543 AND CHURCH CREEK RD, MD 543 AND CHURCH CREEK RD / BASS MILL RD. Video detection shall be installed at all of the intersections. Additionally, the traffic control signal with street lighting, at the intersection of MD 543 and Church Creek Rd / Bass Mill Rd shall be reconstructed. The existing wood pole signal shall be replaced with a new mast arm signal. Countdown pedestrian signals with audible pushbuttons shall replace the existing pedestrian signals. MD 543 is assumed to run a north-south direction.

II. INTERSECTION OPERATION

MD 543 and Church Creek Rd / Bass Mill Rd

- 1. The intersection shall continue to operate in a NEMA six-phase, fully-actuated mode, with the MD 543 approaches running concurrently. The Exclusive/Permissive left turn phases for both approaches of MD 543 shall remain in operation. The pedestrian phase with pushbutton actuation across the south leg of MD 543 shall now be a Countdown pedestrian phase with audible pushbuttons. The Church Creek Rd / Brass Mill Rd approaches shall also continue to run concurrently.
2. A full-traffic-actuated, eight-phase controller with video interface, 2-wire Central Control Unit, and all necessary equipment housed in a NEMA size "6" base-mounted cabinet shall be installed at this intersection.
3. SHA signal shop shall install APS control unit into controller cabinet. The Contractor shall deliver the Control Unit and audible pushbuttons to the SHA Signal Shop for testing and programming. Contact Mr. Ed Rodenhizer (410) 787-7652.

III. SPECIAL NOTES

- 1. The Contractor shall be responsible for terminating all signal cables, excluding interconnect, to the appropriate terminals and shall properly label each cable.
2. All controller cabinet wiring will be performed by the S.H.A. Signal Shop. Contact Mr. Ed Rodenhizer at (410) 787-7652 seventy-two hours in advance of intended work.
3. All underground and overhead utilities shown on these plans are schematic only and may not be complete. The Contractor shall be responsible for notifying Miss Utility prior to construction so that all utilities may be located in the field. If the Contractor perceives that a conflict between the utilities and the traffic signal will occur, the Contractor shall notify the Project Engineer immediately so that the conflict may be resolved.
4. The Contractor shall contact Mr. Dan Sawyers (410) 527-1118 for Maryland Transportation Authority utility mark outs at least 72 hours prior to any excavation within the I-95 interchange.
5. Upon completion of this project, the Contractor shall notify Mr. Robert Snyder at (410) 787-7631 to arrange for the phone line installation. The Contractor is to provide Mr. Robert Snyder with the nearest street address, zip code and phone number.

6. APS will function as follows:

FOR MD 543 (RIVERSIDE PARKWAY)

- a. When pedestrian locates and presses pushbutton for an extended time, the pushbutton unit will be wait to cross Riverside Parkway
b. When WALK phase begins, the message will be a rapid tick which will last for the duration of the WALK phase.

The contact persons for District #4 are as follows:

Mr. Randall Scott, Assistant District Engineer - Traffic, Phone: (410) 321-2781

Mr. Steve Marolszewski, Assistant District Engineer - Maintenance, Phone: (410) 321-2761

Mr. Michael Pasquariello, Assistant District Engineer - Utility, Phone: (410) 321-2841

Mr. Richard L. Daff, Sr., Chief, Traffic Operations Division, Phone: (410) 787-7630

Mr. Ed Rodenhizer, Signal Shop, 410-787-7652

Mr. Sonny Bailey, Sign Shop, 410-787-7670

The power company representative is:

Mr. Steve Schneider, Baltimore Gas and Electric, 7317 Parkway Drive South, Hanover, MD 21076, 410-859-9310

EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY S.H.A..

Table with columns: ITEM NO., DESCRIPTION, QUANTITY. Includes items like 9009 12"x30" strain pole, 9042 Controller ASC II, 9086 Video detection interface, 9087 Video detection interface, 9571 Sheet aluminum signs, etc.

B. EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR

Table with columns: ITEM NO., DESCRIPTION, QUANTITY. Includes items like 1001 Maintenance of traffic per assignment, 2002 Test Pit Excavation, 5006 24" heat applied white permanent preformed thermoplastic pavement marking, etc.

EQUIPMENT LIST (CONT)

B. EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR

Table with columns: ITEM NO., DESCRIPTION, QUANTITY. Includes items like 8018 Mast arm pole and 60' mast arm, 8022 Remove and dispose of existing material, 8026 Video detection arm, 8027 Video detection camera & cable, 8030 Disconnect, pull back and reroute cables, etc.

C. EQUIPMENT TO BE REMOVED

SHA Forces shall remove the MD 543 / BRASS MILL RD controller and all auxiliary equipment from the any MD 543 system controller cabinet. The MD 543 / BRASS MILL RD cabinet and all other removed signal materials are to become property of the contractor.

TOD NO: AT913-02, SHA No: HA340A51/B51, MD 543: Brass Mill Road to I-95

STATE OF MARYLAND, DEPARTMENT OF TRANSPORTATION, STATE HIGHWAY ADMINISTRATION

MD 543: BRASS MILL RD TO I-95 SB RAMP INTERCONNECT PLAN

GENERAL INFORMATION SHEET

SCALE NONE, DATE 3/26/07, CONTRACT NO. AT9145185

DESIGNED BY J. ALLEN, COUNTY HARFORD, DRAWN BY ROB CICCHINI, LOGMILE 12054300.71, CHECKED BY, TMS NO. H403, F.A.P. NO., TOD NO.

TS NO. 3776, DRAWING NO. 9 OF 9, SHEET NO. OF



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